

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2011 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

***Sacramento River Basin***

<b>NA0005</b>	Overall LMA Rating	Total LMA Miles				
<b>City of Sacramento</b>	<b>A</b>	<b>3.63</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Encroachments					0.79	
<i>Supplemental</i>						
USACE Erosion Survey	0.15		0.15	4.13%		
<b>LMA Totals:</b>	0.15	0.00	0.15	4.13%	0.79	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2011 Levee Inspection Results**

**City of Sacramento**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments


**Flood Control Project Maintenance  
Levee Inspections  
Unit Cover Sheet  
Fall 2011 Levee Inspection Results  
City of Sacramento**

Waterway		Bank	Unit Miles
Unit No. 01 City of Sacramento		Left	3.63

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	4/8/2011 - 4/8/2011		11/9/2011 - 11/9/2011	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Doug Henery City of Sacramento		Doug Henery City of Sacramento	
	Jeff Chase City of Sacramento		Jeff Chase City of Sacramento	
	William Roberts City of Sacramento		William Roberts City of Sacramento	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

**Comments**

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Suite 200  
Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**City of Sacramento**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	11/09/2011 11/09/2011	John Williamson

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.14	0.14	Earthen Levee	Encroachments	WS	PO	Buildings Inspector Comments: Fenced area around State (DWR) recorder can.	38.588715 ° -121.504885 °	38.588715 ° -121.504885 °	1 Y
2	0.16	0.16	Earthen Levee	Encroachments	WS	PO	Buildings Inspector Comments: Historical building.	38.588425 ° -121.504860 °	38.588425 ° -121.504860 °	2 Y
3	0.37	0.73	Earthen Levee	Encroachments	CR	PO	Buildings Inspector Comments: This is the Old Sacramento flood wall. This part is a walking inspection.	38.585525 ° -121.505338 °	38.580445 ° -121.506966 °	14 Y
4	0.76	1.15	Earthen Levee	Encroachments	CR	PO	Landscaping Inspector Comments: River Walk on the crown of the levee. Waterside starts at the flood wall.	38.580055 ° -121.507180 °	38.574878 ° -121.510065 °	143 Y
5	0.78	0.78	Earthen Levee	Encroachments	CR	PO	Buildings Inspector Comments: Embassy Suites	38.579712 ° -121.507347 °	38.579712 ° -121.507347 °	4 Y
6	1.25	1.39	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2008 - Oversized levee, should be repaired under maintenance. 2009 - Shallow slumps at the mid bank. 2010 - Some minor erosion at the toe, likely from wave wash. Some new shallow slumps. 2011: One new tree has fallen. [2011 Site ID: SAC_58-5_L]	38.573069 ° -121.512166 °	38.572277 ° -121.513063 °	11 Y
7	1.38	1.38	Earthen Levee	Encroachments	CR	W	Equipment Inspector Comments: The two box cars have now replace the sheds. Since the last inspection two more box cars have been added. The total is four now.	38.572320 ° -121.512668 °	38.572320 ° -121.512668 °	3 Y
8	1.41	1.41	Earthen Levee	Encroachments	WS	W	Pipe	38.572008 ° -121.513017 °	38.572008 ° -121.513017 °	5 Y
9	1.46	1.46	Earthen Levee	Encroachments	CR	W	Equipment Inspector Comments: The trains have been moved upstream to this new location.	38.571477 ° -121.513744 °	38.571477 ° -121.513744 °	9 Y
10	1.73	1.96	Earthen Levee	Encroachments	CR	W	Equipment Inspector Comments: Levee is oversized with railroad tracks and paved parking. This area is Miller Park.	38.568172 ° -121.516042 °	38.564882 ° -121.516265 °	6 Y
11	1.75	1.75	Earthen Levee	Encroachments	CR	W	Pipe	38.567821 ° -121.516091 °	38.567821 ° -121.516091 °	144 Y
12	1.96	2.34	Earthen Levee	Encroachments	CR	W	Equipment Inspector Comments: Railroad tracks run on crown of levee, paved roadway runs along toe on waterside. This is Miller Park Marina area.	38.564900 ° -121.516253 °	38.559460 ° -121.515085 °	7 Y
13	2.04	2.04	Earthen Levee	Encroachments	CR	W	Pipe Inspector Comments: The pipe has been repaired by the LMA. The pipe was installed by the Railroad Museum and is in talks with the CVFPB. No permit was issued for them.	38.563720 ° °	-121.515890 ° °	145 °

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable

PO : Partially Obstructing  
CO : Completely Obstructing  
W : Watch/Monitor

N : Not Inspected, see Inspector Comment    C : Corrected

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**City of Sacramento**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 City of Sacramento				Left	3.63	11/09/2011 11/09/2011	John Williamson	

  

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
14	2.45	2.45	Earthen Levee	Vegetation	LS	W	Elderberries are blocking visibility and flood fight capability.	38.557937 ° -121.514237 °	38.557937 ° -121.514237 °	8
15	2.84	2.84	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 1997 - Erosion at pump station, concrete debris and plastic showing. 2000 - Separation scour of bank due to poor transition. 2004 - New large tree pop out; city dumped fill dirt/rock into hole. 2006 - Minor new erosion at top of bank. 2010 - Some new rock placed in tree pop-out 2011: A large tree has fallen and flood fighting was performed by the city on the upper levee slope. [2011 Site ID: SAC_56-6_L]	38.551578 ° -121.512336 °	38.552268 ° -121.512590 °	12 Y
16	2.90	2.90	Earthen Levee	Encroachments	CR	PO	Buildings	38.551810 ° -121.511838 °	38.551810 ° -121.511838 °	10 Y

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**City of Sacramento**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	11/09/2011 11/09/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.14
End Levee Mile	0.14
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of the I Street recorder can.

johngw\_f\_20111007\_184.jpg



Levee Mile Report Line	2
Start Levee Mile	0.16
End Levee Mile	0.16
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Historical Building with foundations and ramps on upstream and downstream sides. Fall 2011

johngw\_f\_20111109\_533.jpg



Levee Mile Report Line	2
Start Levee Mile	0.16
End Levee Mile	0.16
Location	Water Side
Category	Earthen Levee
Item	Encroachments

A view of the south side of the building. Fall 2011

johngw\_f\_20111109\_534.jpg



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**Levee Inspection Report By Mile - Fall 2011**

**City of Sacramento**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	11/09/2011 11/09/2011	John Williamson

Levee Mile Report Line	3
Start Levee Mile	0.37
End Levee Mile	0.73
Location	Crown
Category	Earthen Levee
Item	Encroachments

Photo looking downstream from the Delta King in Old Sacramento.

johngw\_f\_20111007\_194.jpg



Levee Mile Report Line	3
Start Levee Mile	0.37
End Levee Mile	0.73
Location	Crown
Category	Earthen Levee
Item	Encroachments

The wooden board walk in Old Sacramento on top of the flood wall. Fall 2011

johngw\_f\_20111109\_535.jpg



Levee Mile Report Line	3
Start Levee Mile	0.37
End Levee Mile	0.73
Location	Crown
Category	Earthen Levee
Item	Encroachments

The buildings are on top of the flood wall and extend out over the river. Fall 2011

johngw\_f\_20111109\_536.jpg



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**Levee Inspection Report By Mile - Fall 2011**

**City of Sacramento**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	11/09/2011 11/09/2011	John Williamson

Levee Mile Report Line	4
Start Levee Mile	0.76
End Levee Mile	1.15
Location	Crown
Category	Earthen Levee
Item	Encroachments
The start of the river walk at Tower Bridge. Fall 2011	
johngw_f_20111109_537.jpg	



Levee Mile Report Line	4
Start Levee Mile	0.76
End Levee Mile	1.15
Location	Crown
Category	Earthen Levee
Item	Encroachments
The start of the newest extension of the river walk. Fall 2011	
johngw_f_20111109_538.jpg	



Levee Mile Report Line	4
Start Levee Mile	0.76
End Levee Mile	1.15
Location	Crown
Category	Earthen Levee
Item	Encroachments
The end of the river walk. This is where the bike trails turns off the levee. Fall 2011	
johngw_f_20111109_539.jpg	

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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Fall 2011**

**City of Sacramento**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	11/09/2011 11/09/2011	John Williamson

Levee Mile Report Line	5
Start Levee Mile	0.78
End Levee Mile	0.78
Location	Crown
Category	Earthen Levee
Item	Encroachments

Embassy Suites

johngw\_f\_20111007\_187.jpg



Levee Mile Report Line	6
Start Levee Mile	1.25
End Levee Mile	1.39
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011\_SAC\_58-5\_L\_1.jpg



Levee Mile Report Line	6
Start Levee Mile	1.25
End Levee Mile	1.39
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011\_SAC\_58-5\_L\_2.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Fall 2011**

**City of Sacramento**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	11/09/2011 11/09/2011	John Williamson

Levee Mile Report Line	7
Start Levee Mile	1.38
End Levee Mile	1.38
Location	Crown
Category	Earthen Levee
Item	Encroachments

This is the replacement of the storage bins on the railroad tracks.

johngw\_f\_20111007\_186.jpg



Levee Mile Report Line	7
Start Levee Mile	1.38
End Levee Mile	1.38
Location	Crown
Category	Earthen Levee
Item	Encroachments

There have been an additional two box cars added to this area. Fall 2011

johngw\_f\_20111109\_540.jpg



Levee Mile Report Line	8
Start Levee Mile	1.41
End Levee Mile	1.41
Location	Water Side
Category	Earthen Levee
Item	Encroachments

The screw gate is the positive closure for the pipe. Fall 2011

johngw\_f\_20111109\_541.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**City of Sacramento**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	11/09/2011 11/09/2011	John Williamson

Levee Mile Report Line	9
Start Levee Mile	1.46
End Levee Mile	1.46
Location	Crown
Category	Earthen Levee
Item	Encroachments
<p>The trains that were at 1.54 have been pulled upstream to this location. The CVFPB has asked that they be removed from the levee.</p>	
<p>johngw_f_20111007_192.jpg</p>	



Levee Mile Report Line	9
Start Levee Mile	1.46
End Levee Mile	1.46
Location	Crown
Category	Earthen Levee
Item	Encroachments
<p>The two steam engines and other cars are stored on the levee. There is an agreement being worked on with the Railroad Museum and the City. This is to have the cars moved when necessary. Fall 2011</p>	
<p>johngw_f_20111109_542.jpg</p>	



Levee Mile Report Line	10
Start Levee Mile	1.73
End Levee Mile	1.96
Location	Crown
Category	Earthen Levee
Item	Encroachments
<p>Miller Park at Broadway, railroad track and parking area on levee.</p>	
<p>johngw_f_20111007_189.jpg</p>	

**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**City of Sacramento**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	11/09/2011 11/09/2011	John Williamson

Levee Mile Report Line	11
Start Levee Mile	1.75
End Levee Mile	1.75
Location	Crown
Category	Earthen Levee
Item	Encroachments
A pipe on the landside shoulder crosses under the railroad tracks. Fall 2011	
johngw_f_20111109_543.jpg	



Levee Mile Report Line	11
Start Levee Mile	1.75
End Levee Mile	1.75
Location	Crown
Category	Earthen Levee
Item	Encroachments
This appears to be a drain pipe under a driveway. It is a different pipe then the other photo for this issue. Fall 2011	
johngw_f_20111109_544.jpg	



Levee Mile Report Line	12
Start Levee Mile	1.96
End Levee Mile	2.34
Location	Crown
Category	Earthen Levee
Item	Encroachments
Railroad tracks are on levee crown. The street is to the boat ramp.	
johngw_f_20111007_190.jpg	

**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**City of Sacramento**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	11/09/2011 11/09/2011	John Williamson

Levee Mile Report Line	12
Start Levee Mile	1.96
End Levee Mile	2.34
Location	Crown
Category	Earthen Levee
Item	Encroachments

The Railroad museum has moved the trains to this area along Miller Park. Fall 2011

johngw\_f\_20111109\_545.jpg



Levee Mile Report Line	15
Start Levee Mile	2.84
End Levee Mile	2.84
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011\_SAC\_56-6\_L\_1.jpg



Levee Mile Report Line	15
Start Levee Mile	2.84
End Levee Mile	2.84
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011\_SAC\_56-6\_L\_2.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**City of Sacramento**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 City of Sacramento	Left	3.63	11/09/2011 11/09/2011	John Williamson

Levee Mile Report Line	16
Start Levee Mile	2.90
End Levee Mile	2.90
Location	Crown
Category	Earthen Levee
Item	Encroachments

City of Sacramento pump station on the waterside of the crown of the levee.

johngw\_f\_20111007\_193.jpg



**\* Location**

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WS : Water Side  
CR : Crown

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